

- TNTN

C →

D4-1 →

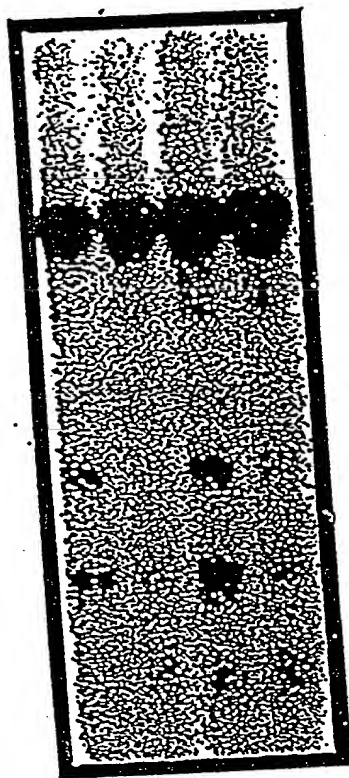


FIGURE 1

1 cttcaaaagt ccccgcatga aaattactta aacgttgcac acaacgtttc gaaaaatctt  
 61 ttgtgaaga agaaaaggaa attcagtgtg tgagtctcag caggagttaa gtaaatgcag  
 121 ctttaaaata tccogaaaaa gaagcgctta tctcggggca gagtgcctct gattctcttc  
 181 ctgtgccaga tgattagtgc actggaagta cctcttgatc caaaacttct tgaagacttg  
 241 gtacagcctc caaccatcac ccaacagctc ccaaaagatt acattattga cctcgggag  
 301 aatattgtaa tccagtgtga agccaaaggg aaaccgcccc caagcttttc ctggaccgt  
 361 aatgggactc attttgacat cgataaaagac cctctggtca ccatgaagcc tggcacagga  
 421 acgtcctataa ttaacatcat gagcgaaggg aaagctgaga cctatgaagg agtctatcag  
 481 tgtacagcaa ggaacgaacg cggagctgca gtttctaata acattgttgt ccgoccatcc  
 541 agatcaccat tgtggaccaa agaaaaactt gaaccaatca cacttcaaag tggcagttot  
 601 ttagtacttc cctgcagacc cccaatttga ttaccaccac ctataatatt ttggatggat  
 661 aattcctttc aaagacttcc acaaagttag agagtttctc aagggtttga tggggacott  
 721 tatttttcca atgtcctccc agaggacacc cgogaagact atatctgtta tgctagattt  
 781 aatcatactc aaaccataca gcagaagcaa cctatttctg tgaaggtgat ttcagtggat  
 841 gaattgaatg acactatagc tgctaatttg agtgacactg agttttatgg tgctaaatca  
 901 agtagagaga ggccaccaac atttttaact ccagaaggca atgcaagtaa caaagaggaa  
 961 ttaagaggaa atgtgctttc actggagtgc attgcagaag gactgcctac ccaattatt  
 1021 tactgggcaa aggaagatgg aatgctaccc tgtttcagaa gcagactctg gaaattacca atgtatagca  
 1081 aaaaacttgc agatcattca tgtttcagaa gcagactctg gaaattacca atgtatagca  
 1141 aaaaatgcat taggagccat cctctatacc atttctgtta gagttaaagg ggtccatcac  
 1201 tggatccacag cccctcaaaa tcttgtgctg tccccaggag aggatgggag cttgatctgc  
 1261 agagctaatg gcaaccccaa acccagaatt agctgggtta caaatggagt ccaatagaa  
 1321 atgcccctg atgaccccag cagaaaaata gatggcgata cctattttt ttcgaatgtt  
 1381 caagaaagat caagtgcagt atatcagtg tatgctctca atgaattatg atgttactg  
 1441 gcaaacgcat ttgtaaatgt gctggctgag ccaaccagaa tctcacacc tgcaaaacaa  
 1501 ctctaccagg tcattgcaaa caggcctgct ttactagact gtgctctct tgggtctct  
 1561 ctcccaacca tccagtgtgt taaaggagct aaaggagtg ctcttcatga agatatttat  
 1621 cttttacatg aaaatggaac tttggaatc aaagatgcta catggatcgt taaagaatt  
 1681 cctgtggccc aaaaggacag tacaggaact tatacgtgtg ttgcaaggaa taaattaggg  
 1741 atggcaaga atgaagttca cttacagccc gaatatgcag ttgtgcaagg agggagcatg  
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 1861 aaggacaaca gggaaactgcc cagtgtgaa aggttccactg ttgcaaggaa tcatctagt  
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 1981 gacagcgtct ccgcccagcg tgtgtttagc gttgttgcct ctactccaac tccagctccc  
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 2101 gttcagctgt catggacccc caagccaggg ctgtggcacc accaaactga agttcttggg  
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 2281 gcagtgaaca gcattgggaa gactgtgccc gtggaaggac tgggatcaga gctgataat  
 2341 gcctcagaac cagataaaaa ccccacagct gtggaaggac tgggatcaga gctgataat  
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 2821 atcctcacct tccaaggcag caagactcat ggcattgttc cggggctaga gcccttttagc  
 2881 cactacacac tgaatgtccg agtgggtcaat gggaaagggg agggccagc cagccctgac  
 2941 agagtcttta atactccaga aggagtcctc agtgotccct cgtctttgaa gattgtgaat  
 3001 ccaacactgg actctctcac tttggaatgg gatccaccga gccaccogaa tggcattttg  
 3061 acagagtaca ccttaaagta tcagocaatt aacagocac atgaattagg cctctgtgta  
 3121 gatttgaaaa ttcctgcaa caagacacgg tggactttaa aaaatttaa tttcagcact  
 3181 ogatataagt tttatttota tgcacaaaca tcagcaggat caggaaagtca aattacagag  
 3241 gaagcagtaa caactgtgga tgaagctggt attcttocac ctgatgtagg tgcaggcaaa  
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 3361 aatatcagtt gggaaataga gggaccagag catgtgaact tttatgttga atatggtgta  
 3421 gcaggcagca aagaagaatg gaaaaagaa attgttaagt gttctcggag cttctttggg  
 3481 ttaaagggtc taatgccagg aacagcctac aaagtctgag ttggtgctg ggggactct  
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 3601 gatattgcaa ctcagggtct gttcattggt ctgatgtgtg ctgttgcct ccttatctta  
 3661 attttgtga ttgtttgctt cctcagaaga aacaagggtg gtaaatatcc agttaagaa  
 3721 aaggaagatg cccatgctga cctgaaatc cagcctatga aggaagatga tgggacatt  
 3781 ggagaatata gtgatgcaga agaccacaag cctttgaaa aaggaagtcg aactcctca  
 3841 gacaggactg tgaaaaaaga agatagtac gacagocctag ttgactatgg agaagggtt  
 3901 aatggccagt tcaatgagga tggctccttt attggacaat acagtggtaa gaagagaaa  
 3961 gagccggctg aaggaaacga aagctcagag gcacctctc ctgtcaagc catgaattcc  
 4021 tttgtttaat ttttaagctc aaagocaata ttgatttct ctagaatgtt tatcctaagc  
 4081 tcttgtttgt cagccctctc atagtatga atgtgggtg gagagtatat tttc

FIGURE 2A

BT110  
BT181

'MPKKKRLSAGRVPLILFLCOMISALEVPLDPKLLEDLVQPPTIT  
 QQSPKDYIIDPRENIVIQCEAKGKPPPSFSWTRNGTHFDIDKDPLVTMKPGTGTLIIN  
 IMSEGKAETIEGVYQCTARNERGAAVSNNIVVRPSRSPILTKEKLEPITLQSGQSLVL  
 PCRPPIGLPPPIIFWMDNSFQRLPQSERVSQGLNGDLYFSNVLPEDTREDYICYARFN  
 HTQTIQQKQPISVKVISVDELNDTIAANLSDTEFYGAKSSRERPPTFLTPEGNASNKE  
 ELRGNVLSLECIAEGLPTPIIYWAKEDGMLPKNRTVYKNFEKTLQIIHVSEADSGNYQ  
 CIAKNALGAIHHTISVRVKAAPYWITAPQNLVLS PGEDGT LICRANGNPKPRISWLTN  
 GVPIEIAPDPSRKIDGDTIIFSNVQERS SAVYQCNASNEYGYLLANAFVNVLAEPFR  
 ILTPANTLYQVIANRPALDCAFFGSPLEPTIEWFKGAKGSALHEDIYVLHENGTLK  
 DATWIVKEIPVAQKDSTGTYTCVARNKLGMAKNEVHLQPEYAVVQSGSMVSFECKVKH  
 DHTLSLTVLWLKDNRELEPSDERETVDKDLVADVSDDDSGTYTCVANTTLDVSVASA  
 VLSVVAPTPTPAFVYDVNPFPDLELTDQLDKSVQLSWTPGDDNNSPITKFIIEYEDA  
 MHKPGWLWHHQTEVSGTQTTAQLKLSFYVNYSEFVMAVNSIGKSLPSEASEQYLTASE  
 PDKNPTAVEGLGSEPDNLEITWKPLNGFESNGPGLQYKVSQRQDGDDEWTSVVVANV  
 SKYIVSGTPTFVPYLIKVQALNDMGFAPEPAVVMGHSGEDLPMVAPGNVRVNVNSTL  
 AEVHWDPVPLKSIRGHLQGYRIYYWKTQSSSKRNRRIEKKILTFOGSKTHGMLPGL  
 PFSHYTLNVRVVGKGEPPASPDVRVNTPEGVPSAPSSLKIVNPTLDSLTLEWDPSSH  
 PNGILTEYTLKYQPINSTHELGLPLVDLKI PANKTRWTLKNLNFSTRYKFYFYAQTSA  
 SGSQITEEA VTTVDEAGILPPDVGAGKVQAVNTRISNLTA AAAETIANISWEYEGPEH  
 VNFYVEYGVAGSKEWRKEIVNGSRSEFGLKGLMPGTAYKVRVGAVGDSGFVSSDVF  
 ETGPAMASRQVDIATQGWFIGMCAVALLILILLIVCFIRRNKGGKY PVKEKEDAHAD  
 PEIQPMKEDDGTGEYS DAEDHKPLKKSRTPSDRTVKKEDSDDSLVDYGEVNGQFN  
 EDGSFIGQYSGKKEKEPAEGNESSEAPSPVAMNSFV"

FIGURE 2B

HUMAN Nr-CAM	4097	TCTCATACTATGAACATATGGGTAGAGAGTATATTTTC	4134
		*****	
D4-1	1	TCTCATACTATGAACATATGGGTAGAGAGTATATTTTCTGCTGT	44
		***** ** ** ***** **	
RAT Nr-CAM	3713	TCTCATACTATGGACATATGGGTAGAAAGAATGTTTTCTGOGGT	3757
D4-1	45	ATGTTAGTATTATGAGAATAGTTACAGCAAAACATAACTCAGT	89
		** * ***** **** ** ** * * * * *****	
RAT Nr-CAM	3758	ATATGAGTATTATAAGAACAGAGCAAGAACATAACTCAGTCAGT	3802
D4-1	90	CAAAGTATATGTTAATATGAACTGGAATGCAAAGTGCATACTT	134
		** * *** ***** ** *** *	
RAT Nr-CAM	3802	CAGATGATACGTTAATATGAACTGGGGTGAAAAGG	3831
D4-1	135	TTTCATTCAAATGGGTATTCTTGATTTCCTAAAAAAAAAAAAA	179

FIGURE 2C

hNr-CAM

hNr-CAM1/3AS

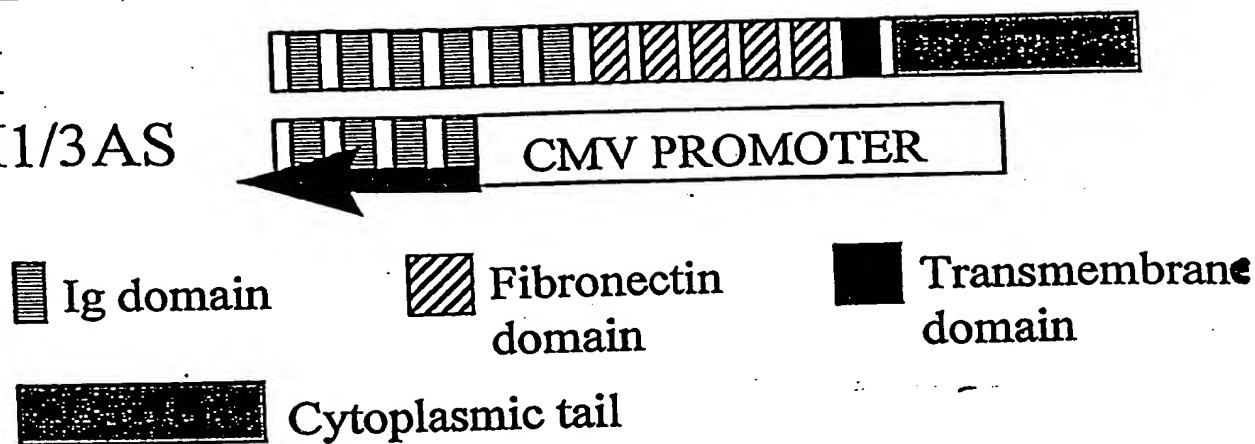
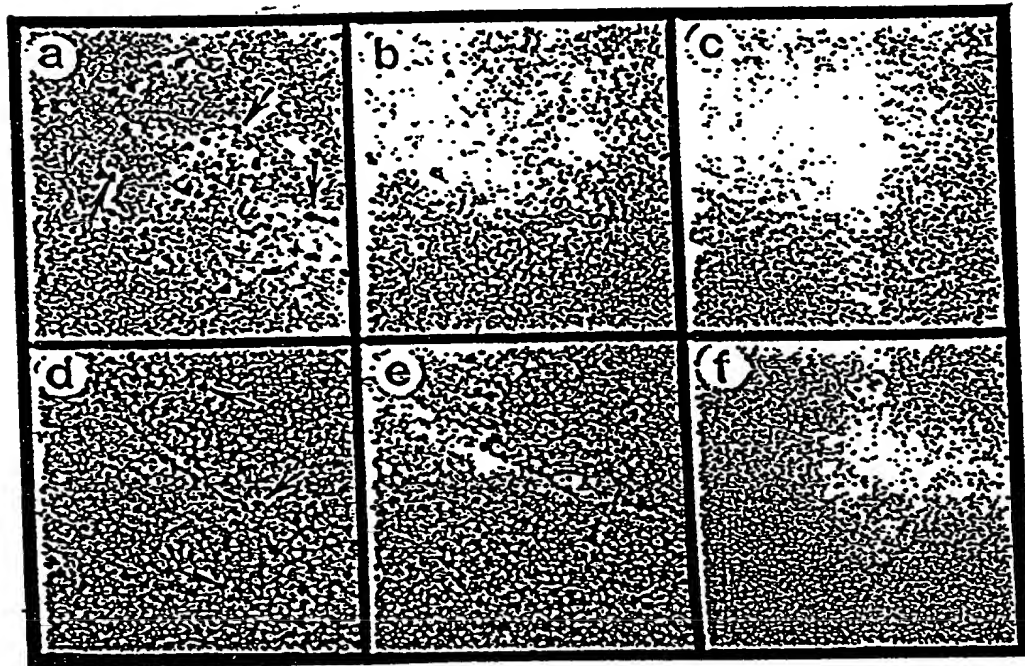
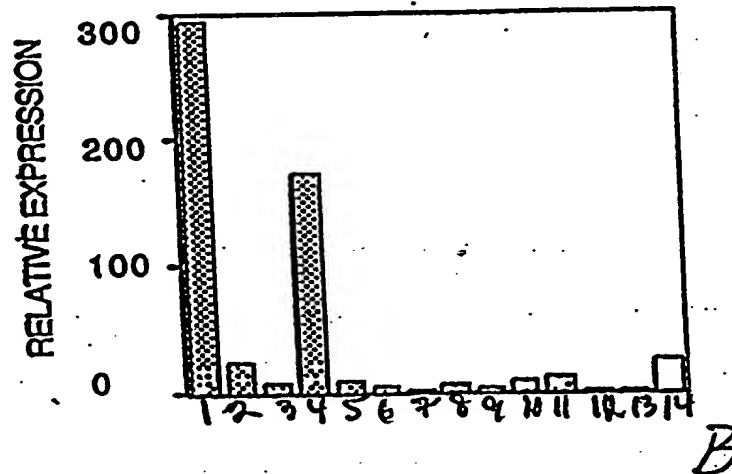
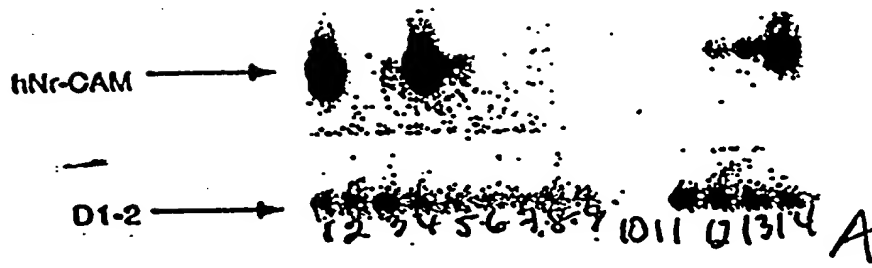


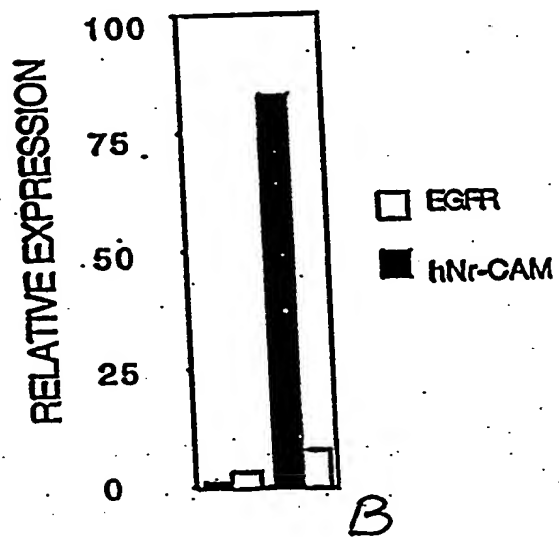
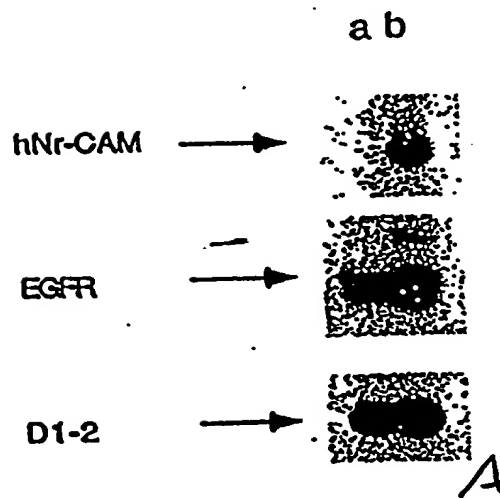
FIGURE 2D



**FIGURES 3A-F**

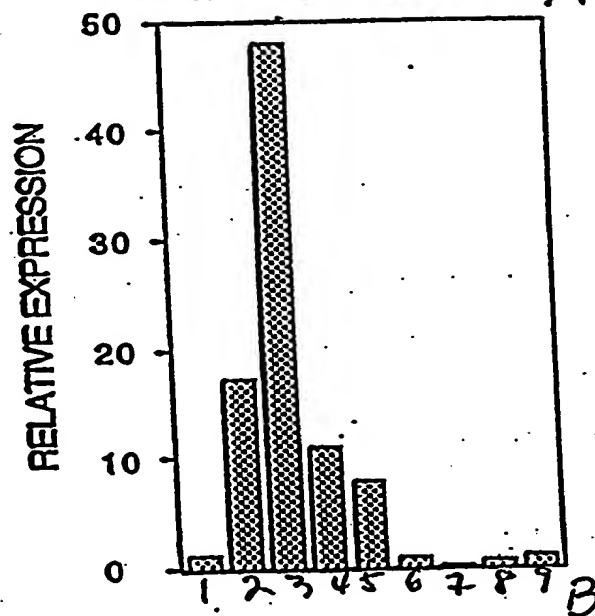
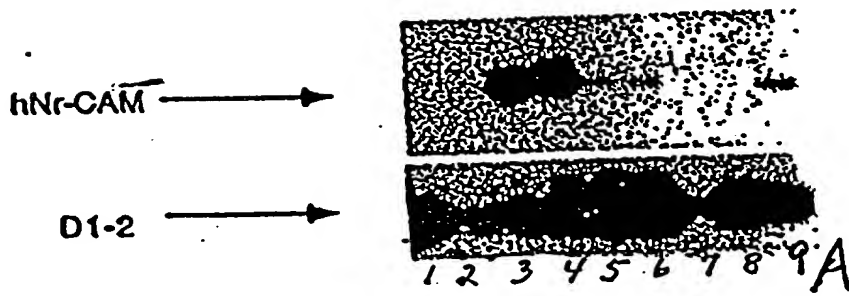


FIGURES 4A-B

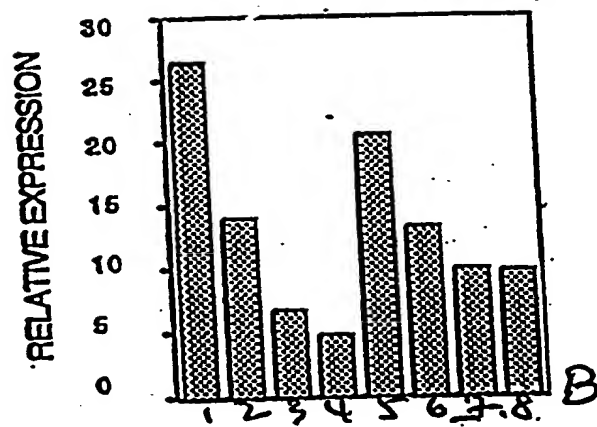
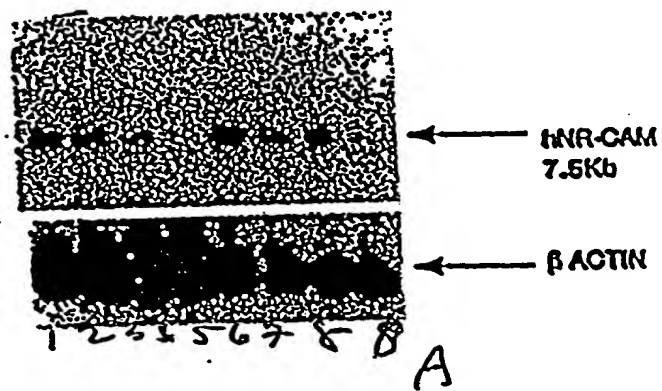


FIGURES 5A-B

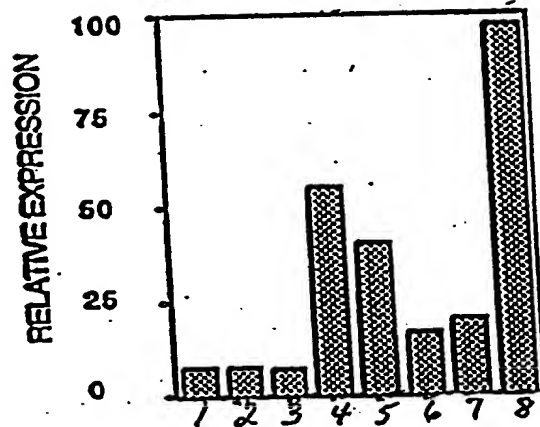
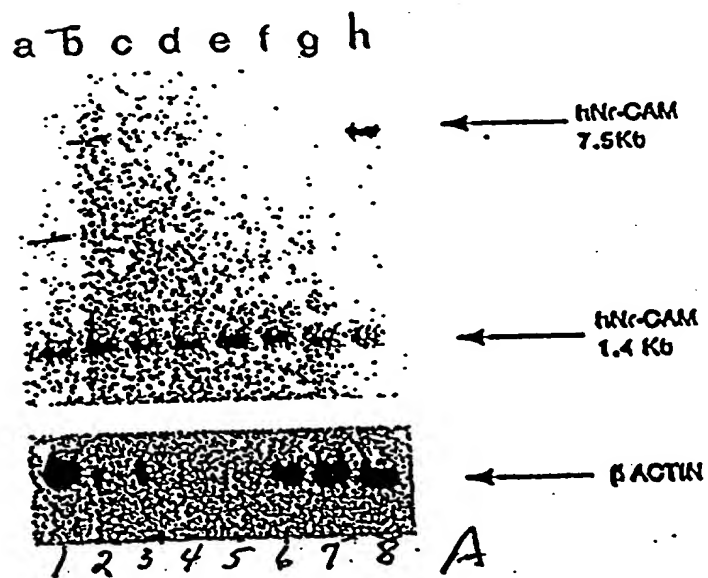




FIGURES 6A-B



FIGURES 7A-B



FIGURES 8A-B

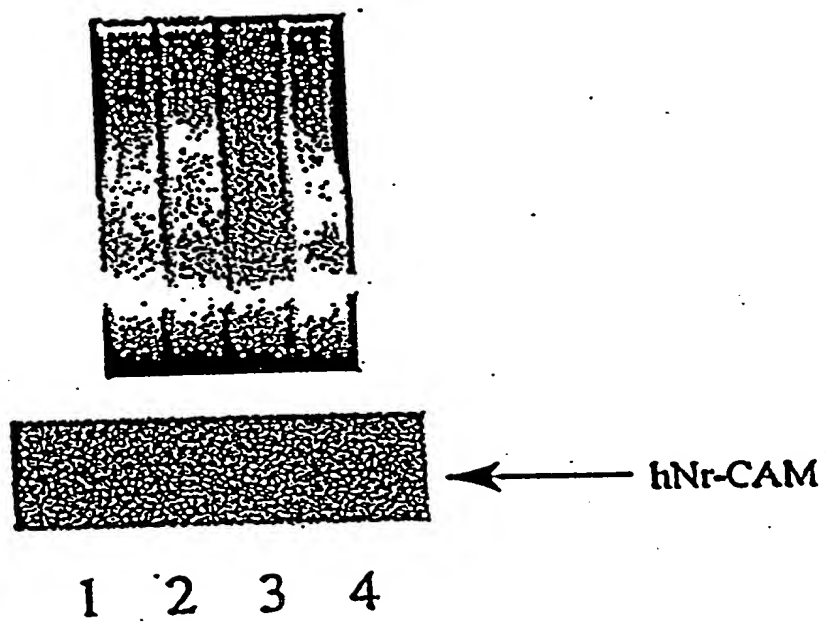
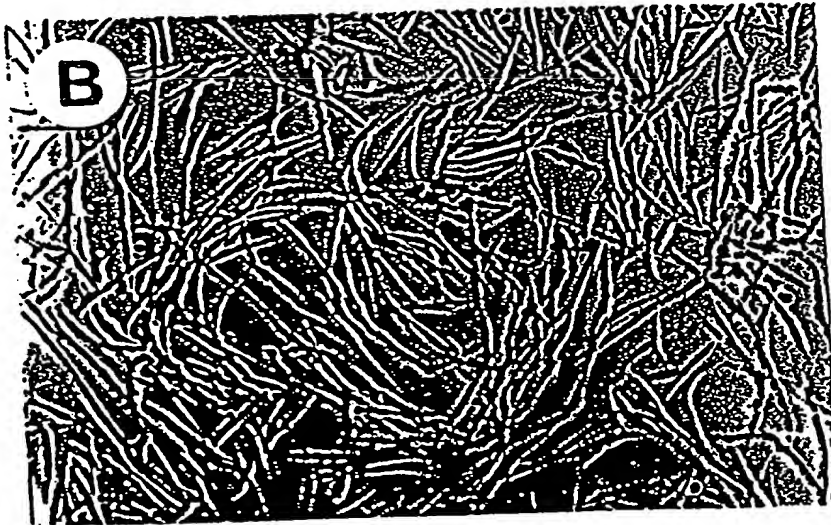
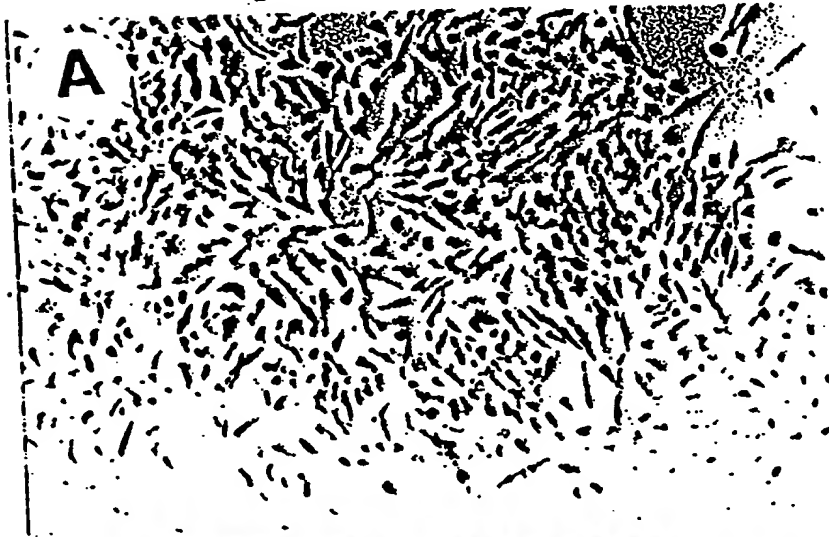


FIGURE 9



FIGURES 10A-B

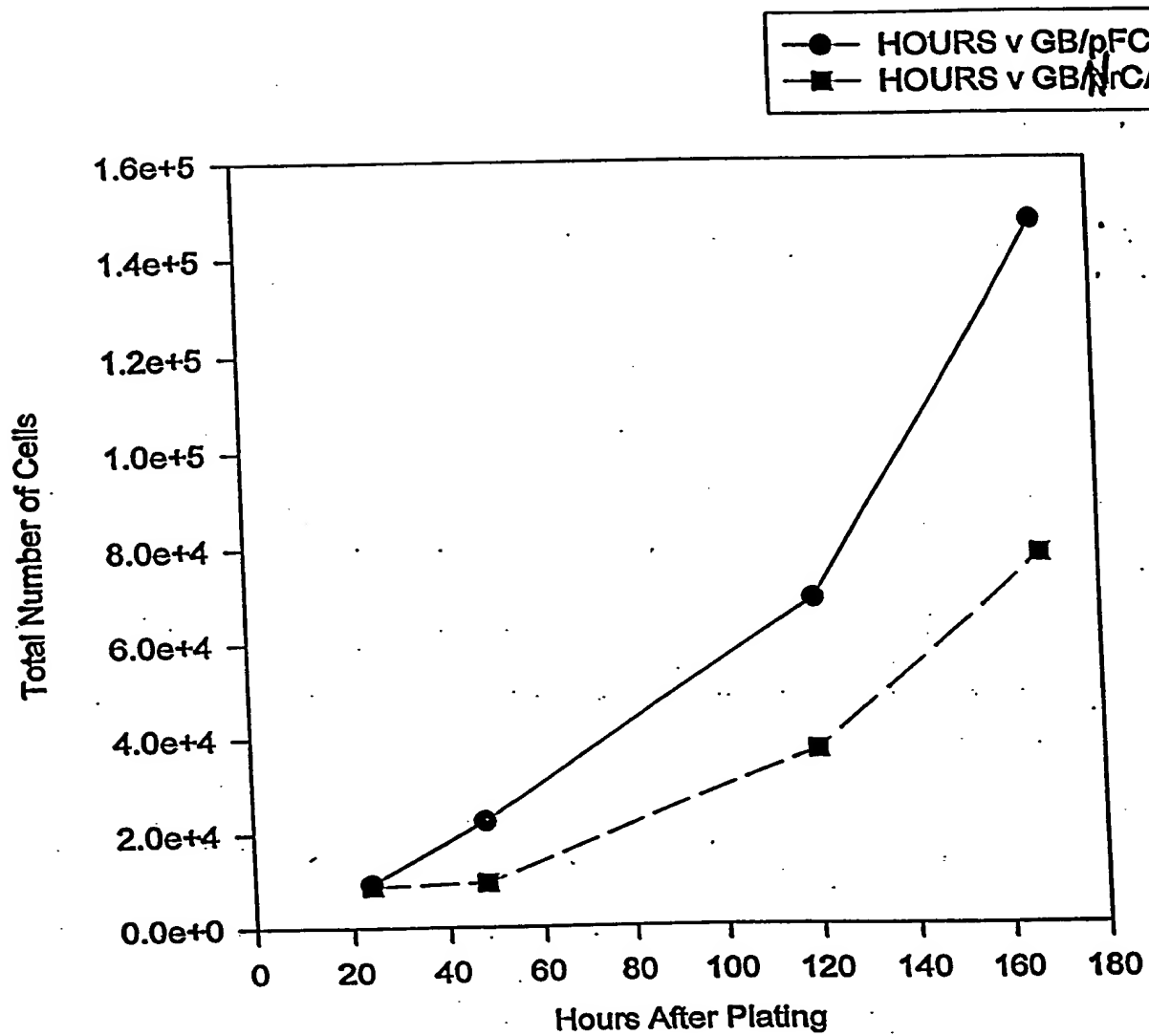
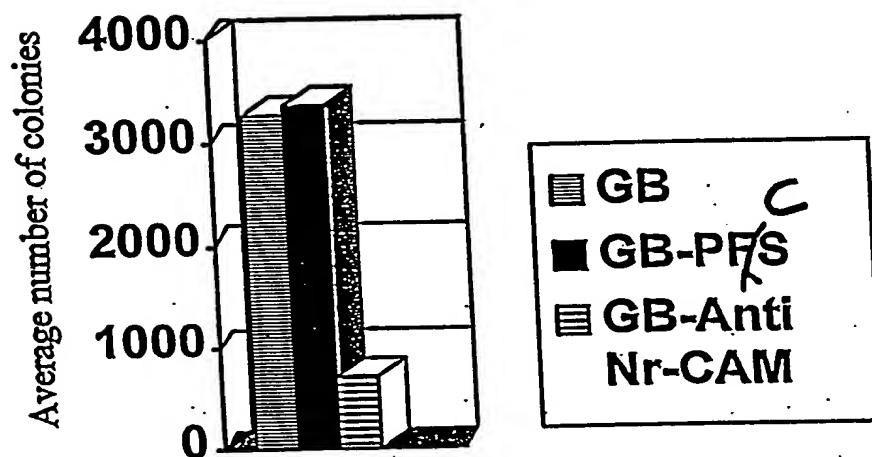


FIGURE 11



**FIGURE 12**

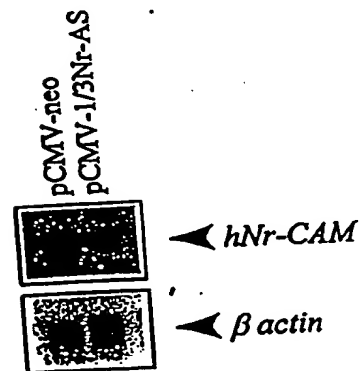


FIGURE 13

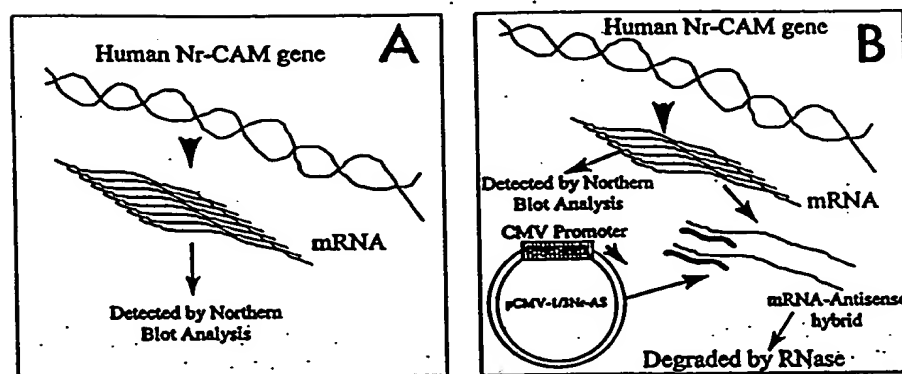


FIGURE 14A-B



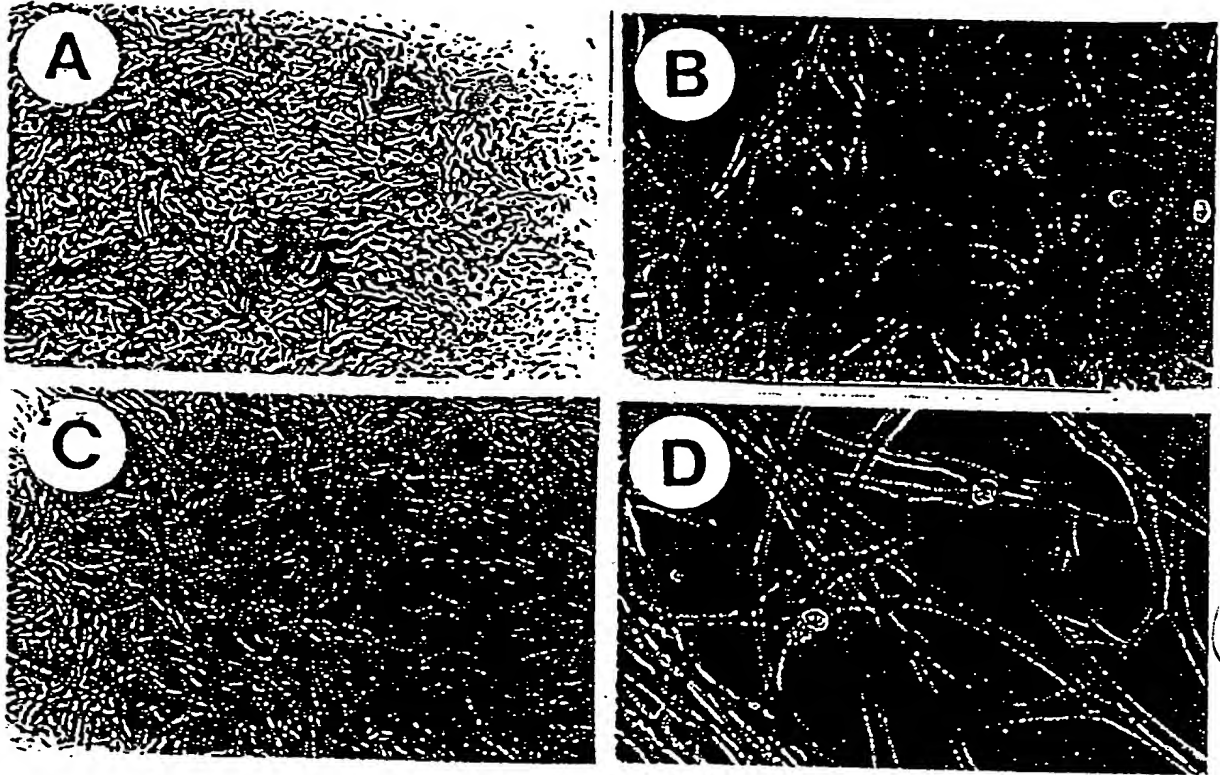


FIGURE 15A-D

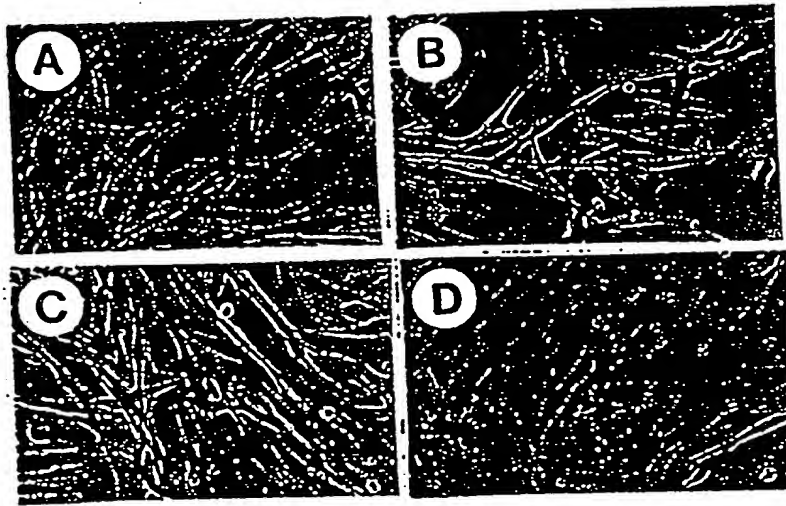


FIGURE 16A-D

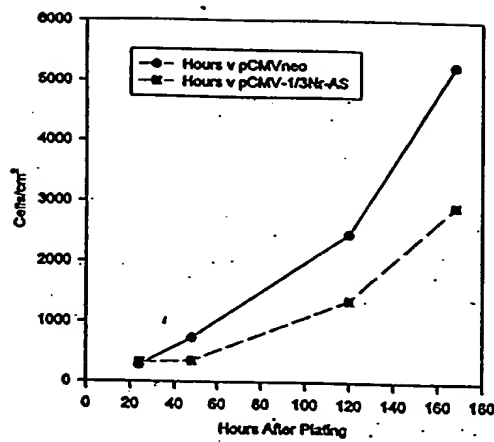


FIGURE 17

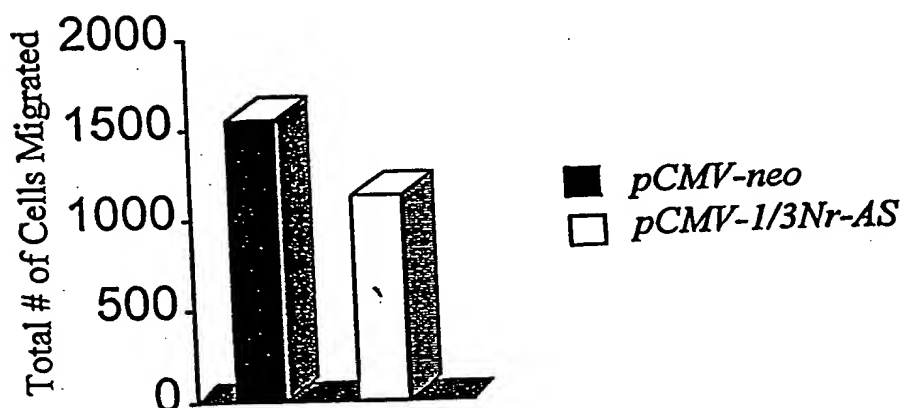


FIGURE 18

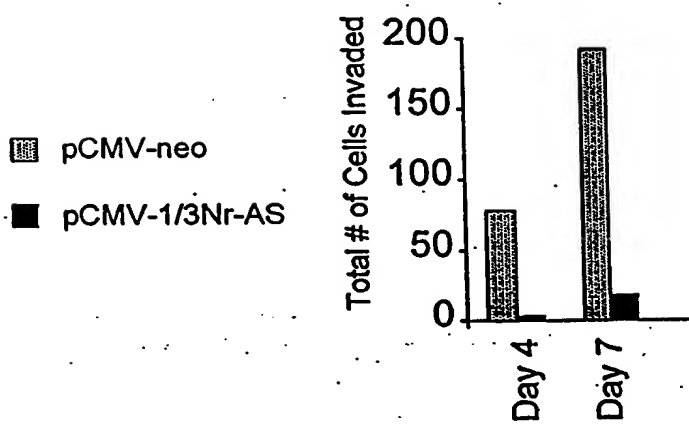
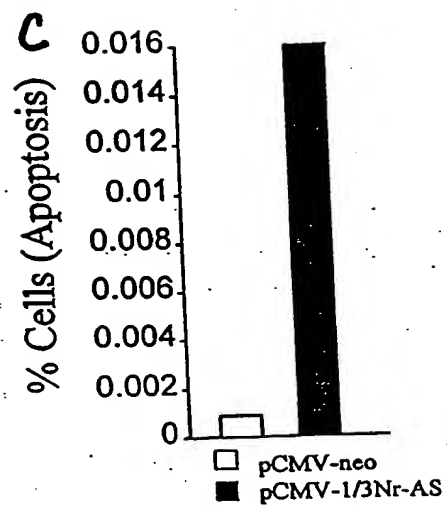
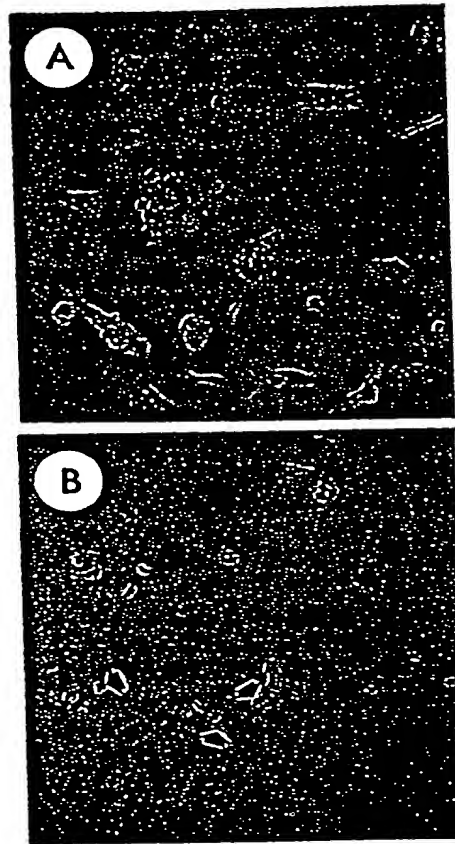


FIGURE 19



**FIGURE 20A-C**



FIGURE 21

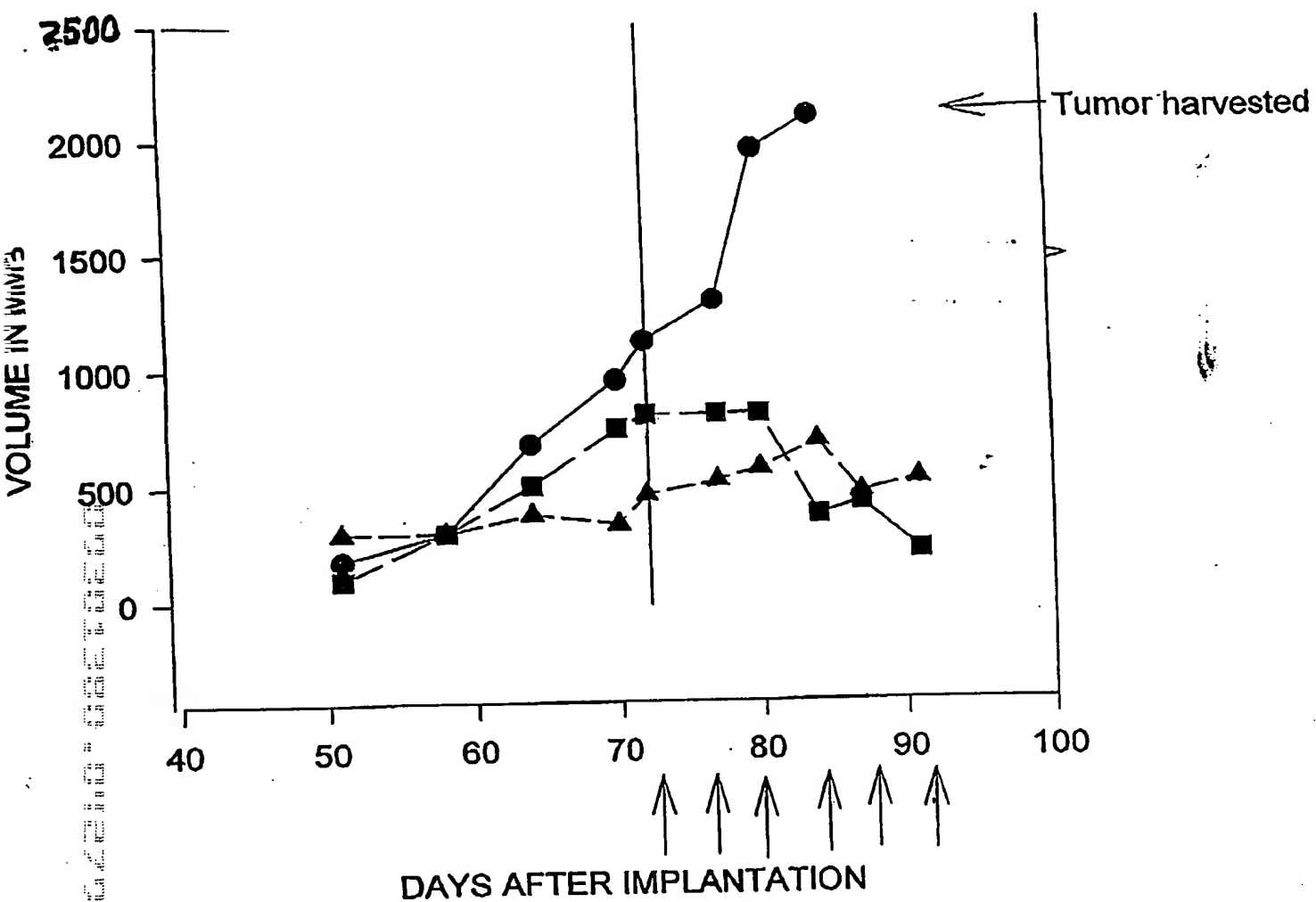


FIGURE 22A

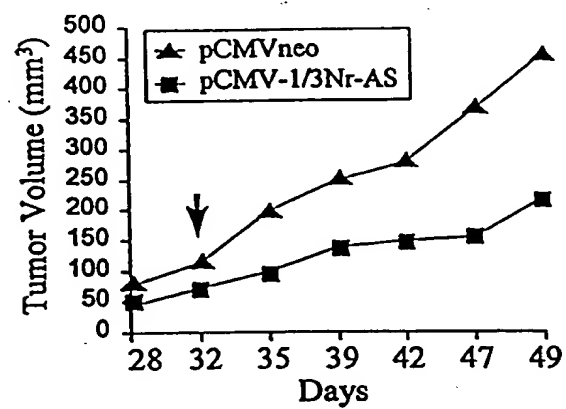
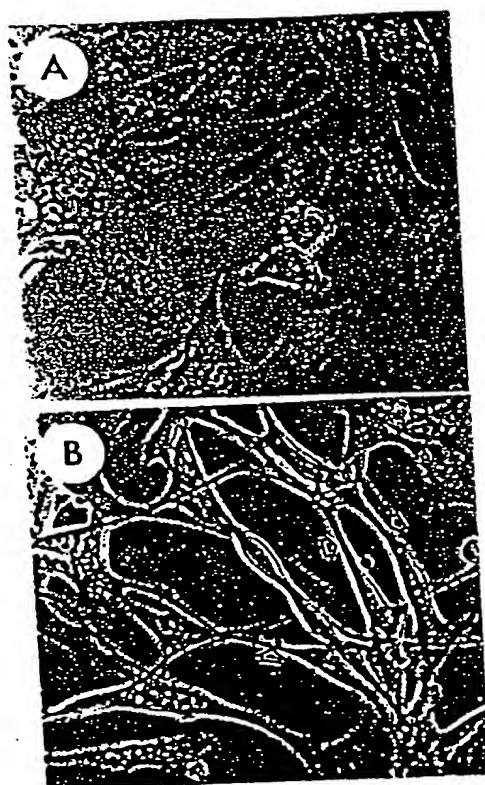


FIGURE 22B



Average # of colonies ( $1 \times 10^5$ )

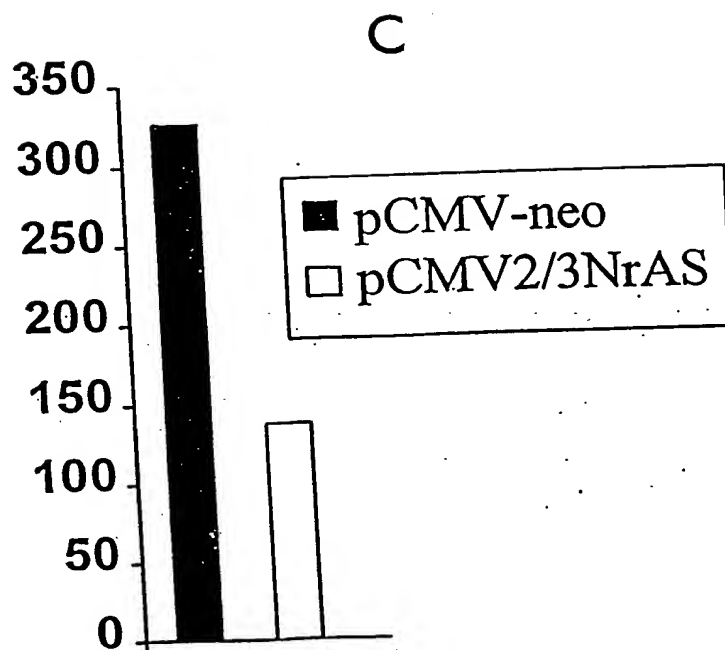
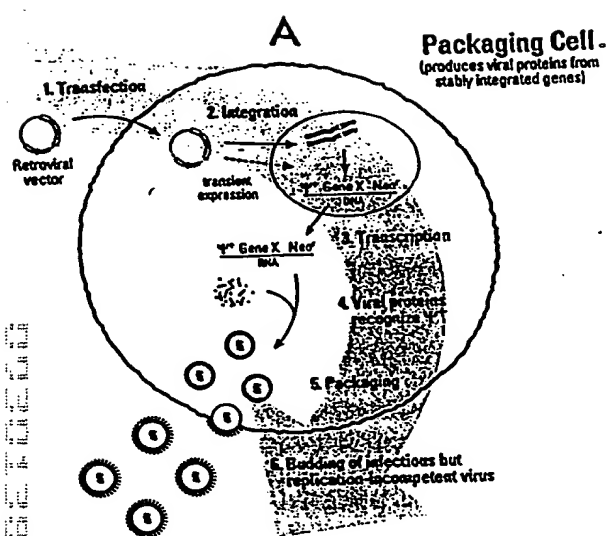


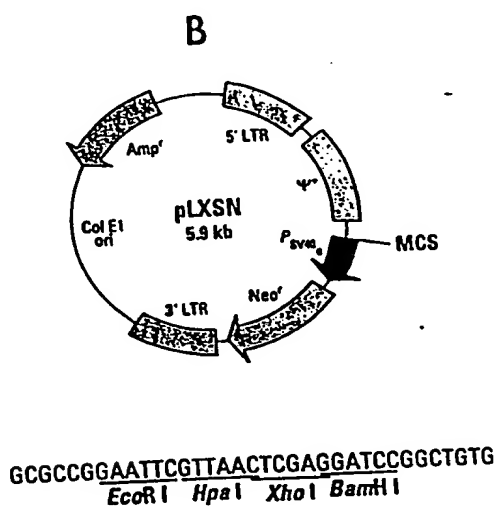
FIGURE 23A-C





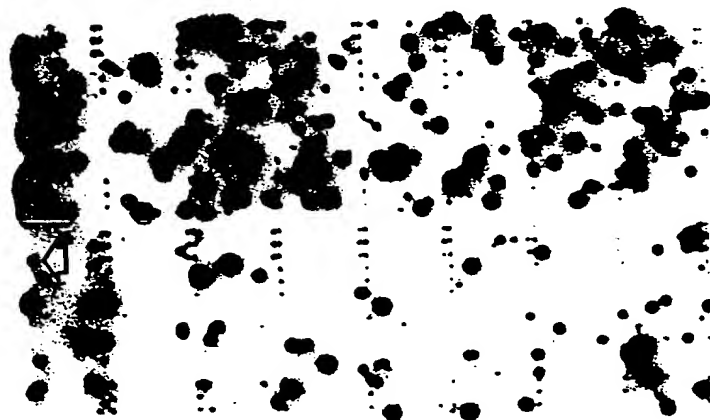


**FIGURE 25A**



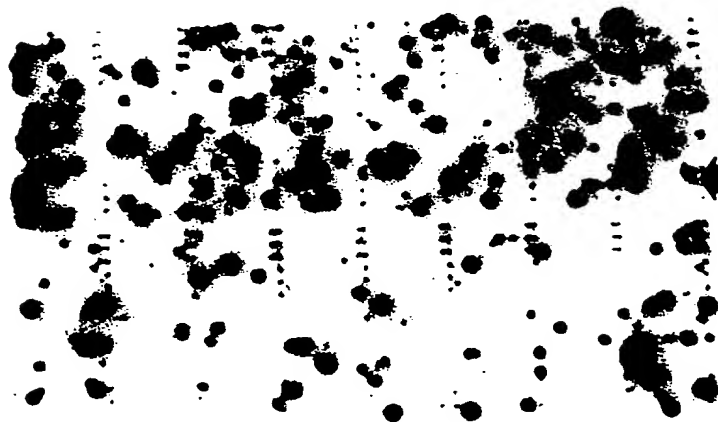
**FIGURE 25B**

**pCMV-1/3Nr-AS**



**FIGURE 26A**

**pCMV-neo**



**FIGURE 26B**